



# **HIV IN THE EASTERN REGION: AN EPIDEMIOLOGICAL PROFILE**

**EASTERN RAC MEETING  
MAY 21, 2013**

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Prevention and Health Promotion Administration**



# MISSION AND VISION

## MISSION

- The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

## VISION

- The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.



# National Data



# U.S. HIV/AIDS Prevalence



- At the end of 2009, an estimated 1.1 million adult Americans were infected with HIV
- It is also estimated that 18% of the infected were undiagnosed
  - CDC. HIV Surveillance Supplemental Report. 2012; 17(No. 3, part A). Atlanta.



# Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	962	155.6
2. Virgin Islands	35	33.0
<b>3. Maryland</b>	<b>1,783</b>	<b>30.6</b>
4. Louisiana	1,381	30.2
5. Florida	5,408	28.4
6. Georgia	2,522	25.7
7. New York	4,960	25.5
8. Puerto Rico	888	24.0
9. Mississippi	617	20.7
10. Texas	5,065	19.7
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<i>United States</i>	<i>50,199</i>	<i>15.9</i>



# Estimated Adults Living with Diagnosed HIV, year-end 2010, Ranked by Rates



<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	14,359	2,704.3
2. New York	132,523	810.0
3. Virgin Islands	589	667.1
<b>4. Maryland</b>	<b>30,558</b>	<b>632.9</b>
5. Florida	94,897	592.7
6. Puerto Rico	18,129	584.3
7. New Jersey	35,860	488.2
8. Louisiana	16,892	451.7
9. Georgia	33,920	428.8
10. Delaware	2,968	394.1
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<i>United States</i>	888,638	342.2



# Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	2,606	46.0
2. New Orleans-Metairie-Kenner, LA	513	43.0
3. Baton Rouge, LA	336	41.6
4. Jackson, MS	200	36.7
<b>5. Washington, DC-VA-MD-WV</b>	<b>1,969</b>	<b>34.5</b>
<b>6. Baltimore-Towson, MD</b>	<b>922</b>	<b>33.8</b>
7. Memphis, TN-MS-AR	433	32.6
8. Atlanta-Sandy Springs-Marietta, GA	1,626	30.3
9. New York, NY-NJ-PA	5,344	28.1
10. Jacksonville, FL	382	28.1
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<i>United States</i>	<i>50,161</i>	<i>15.9</i>



# Estimated Persons Living with Diagnosed HIV, year-end 2010, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	49,045	879.3
2. New York, NY-NJ-PA	143,393	757.9
<b>3. Baltimore-Towson, MD</b>	<b>18,318</b>	<b>674.8</b>
4. New Orleans-Metairie-Kenner, LA	7,380	620.2
5. Jackson, MS	3,018	558.8
6. San Francisco, CA	23,829	548.6
7. Memphis, TN-MS-AR	7,191	545.6
<b>8. Washington, DC-VA-MD-WV</b>	<b>30,797</b>	<b>549.0</b>
9. San Juan-Caguas-Guaynabo, PR	13,026	525.9
10. Baton Rouge, LA	4,009	498.3
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<i>United States</i>	<i>891,157</i>	<i>284.7</i>



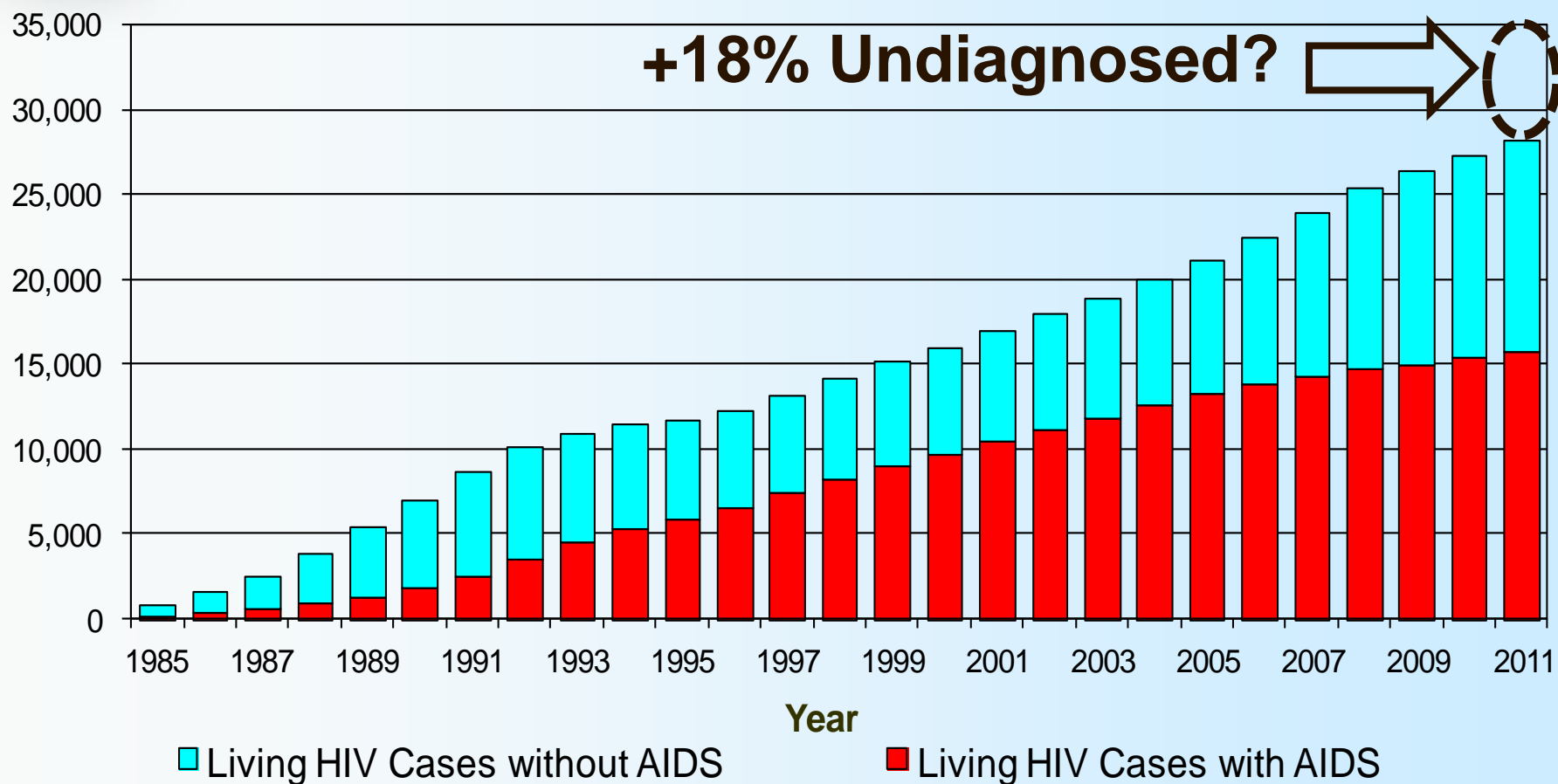


# State Data



# Maryland Living HIV Cases

Number of Cases



Using data as reported through 12/31/2012

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# Maryland Adult/Adolescent HIV/AIDS Statistics

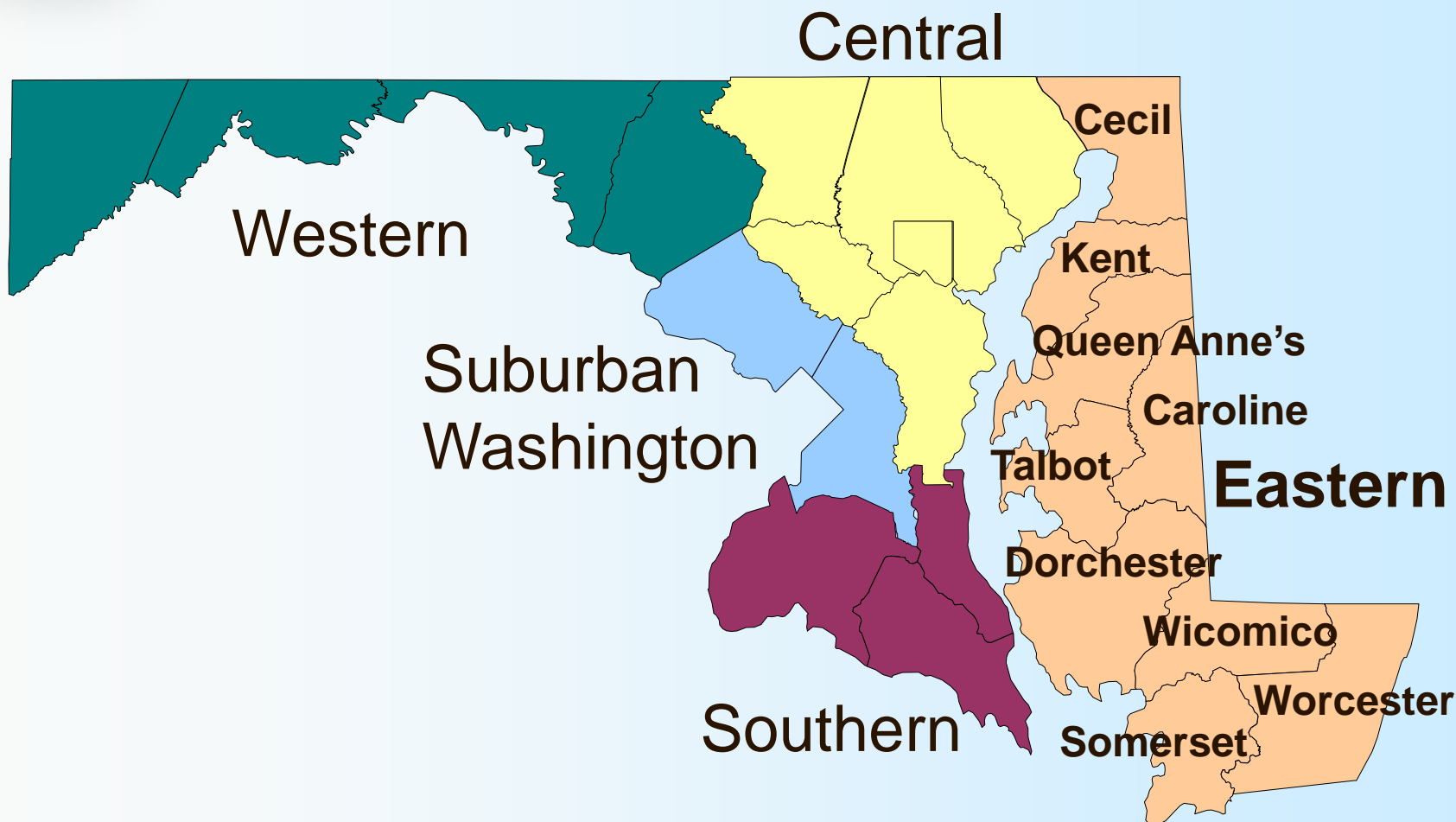


Reported Diagnoses (during 2011)	No.	per 100,000	
HIV	1,311	26.9	
AIDS	759	15.6	
Living Cases (on 12/31/11)	No.	per 100,000	1 in X
HIV without AIDS	12,162	249.8	
HIV with AIDS	15,548	319.3	
Total HIV	27,710	569.1	175

Using data as reported through 12/31/2012

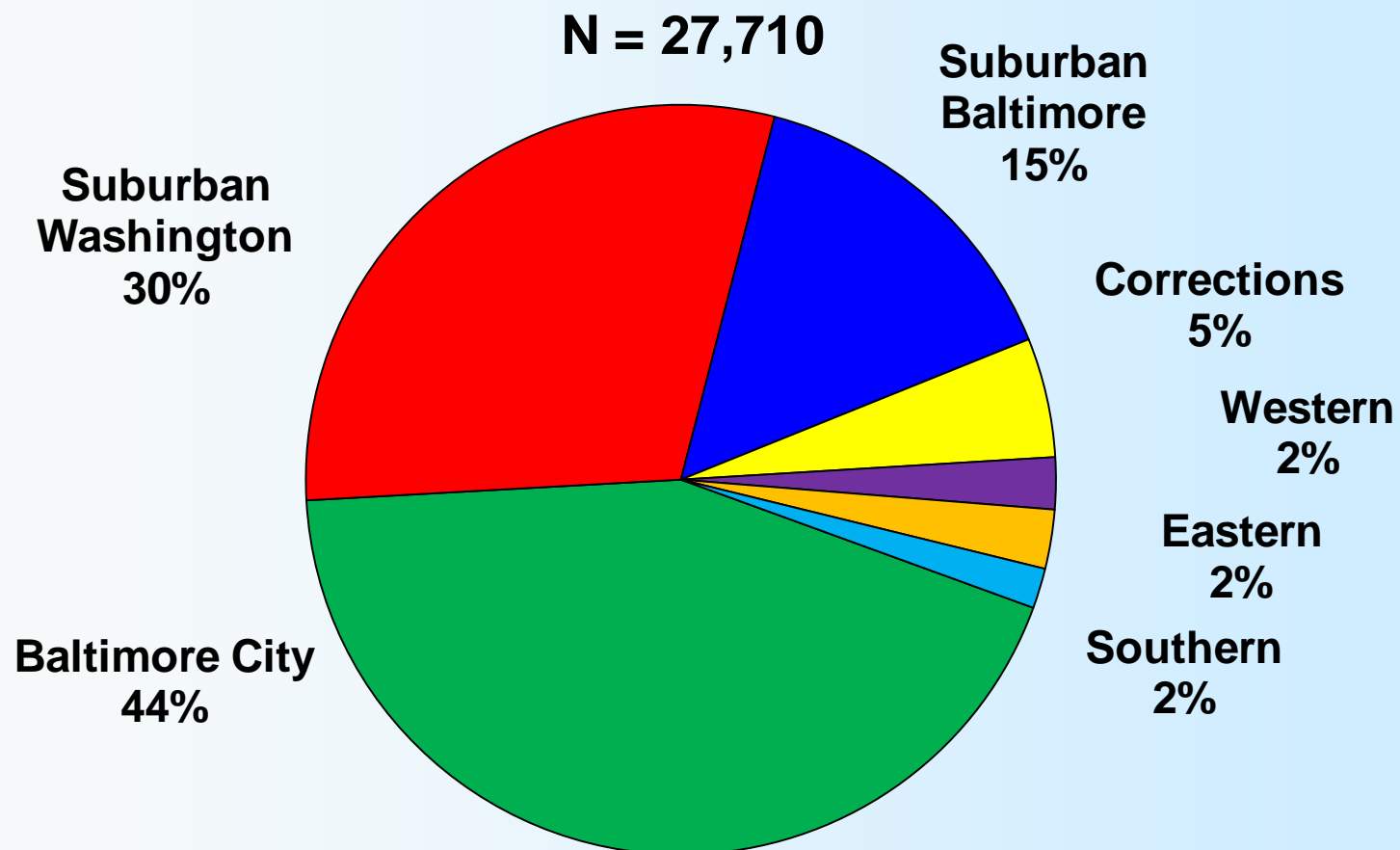


# Maryland Regional Advisory Committee Regions





# Maryland Living Adult/ Adolescent HIV Cases by Region, 12/31/11



Using data as reported through 12/31/2012



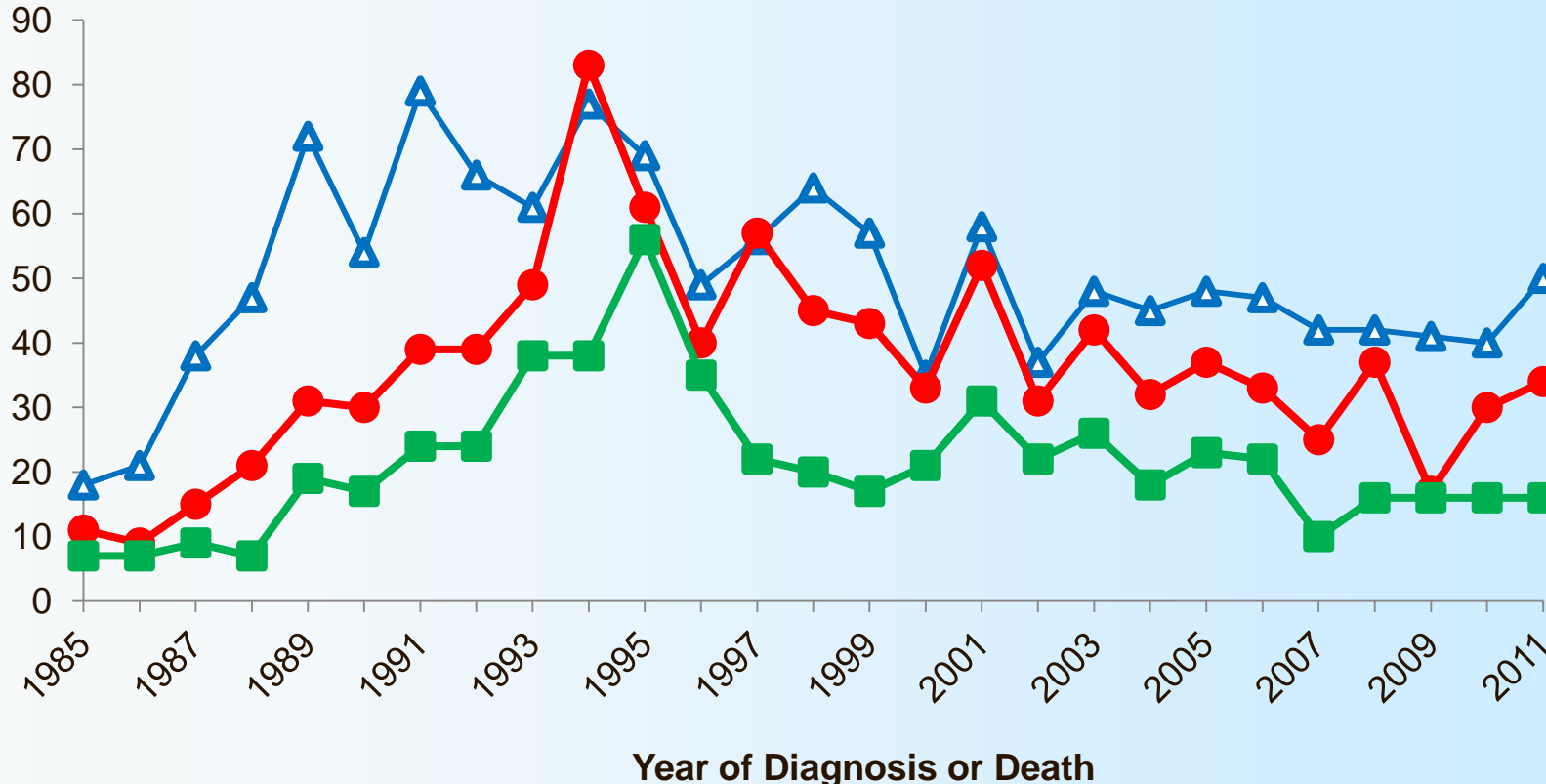
# Regional Data



# HIV/AIDS Trends Eastern Region



Number of Events



▲ Reported HIV Diagnoses ● Reported AIDS Diagnoses ■ Reported AIDS Deaths

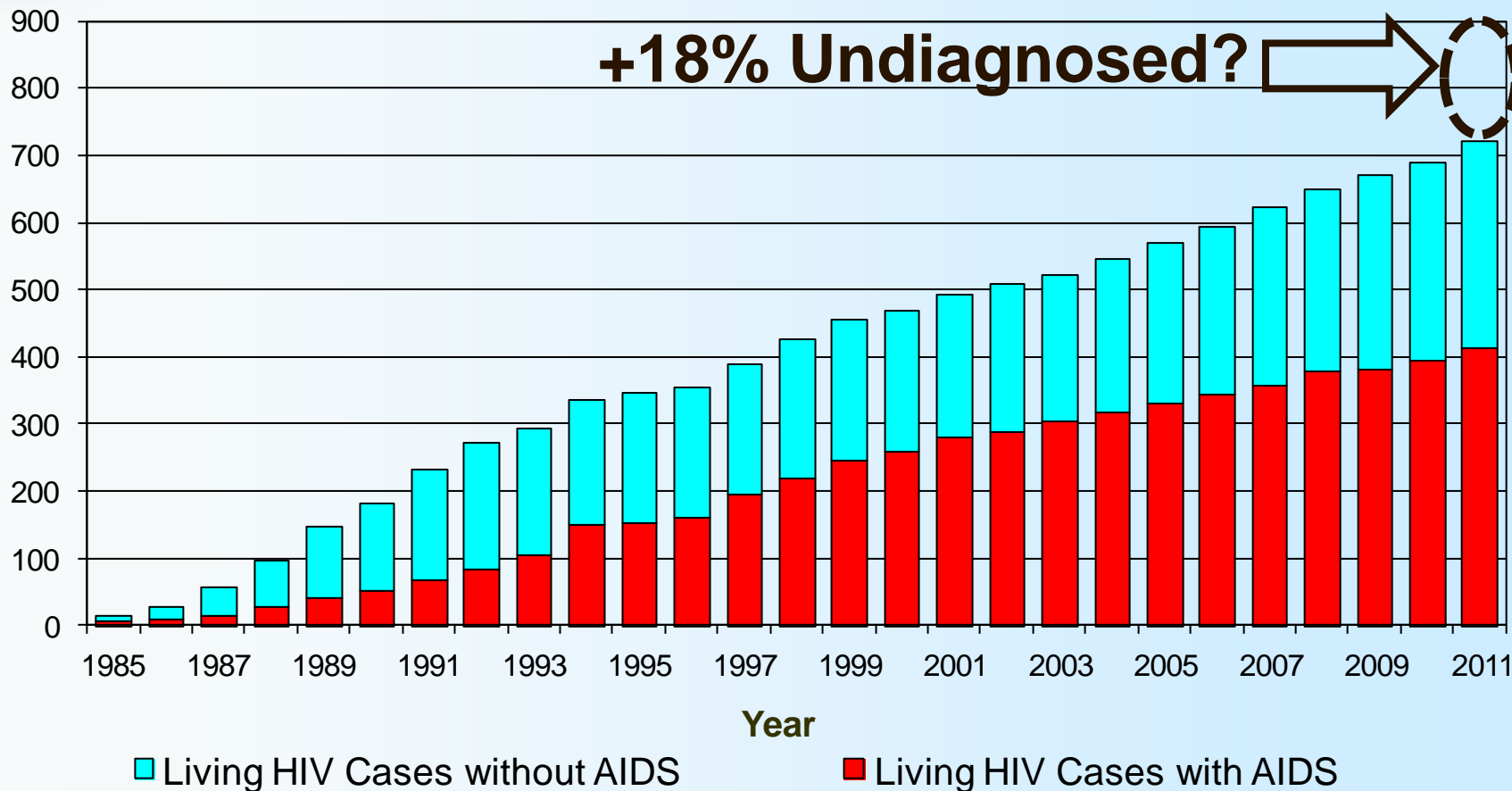
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# Living HIV Cases Eastern Region

Number of Cases



Using data as reported through 12/31/2012





# HIV Statistics Adult/Adolescent Cases, Eastern Region



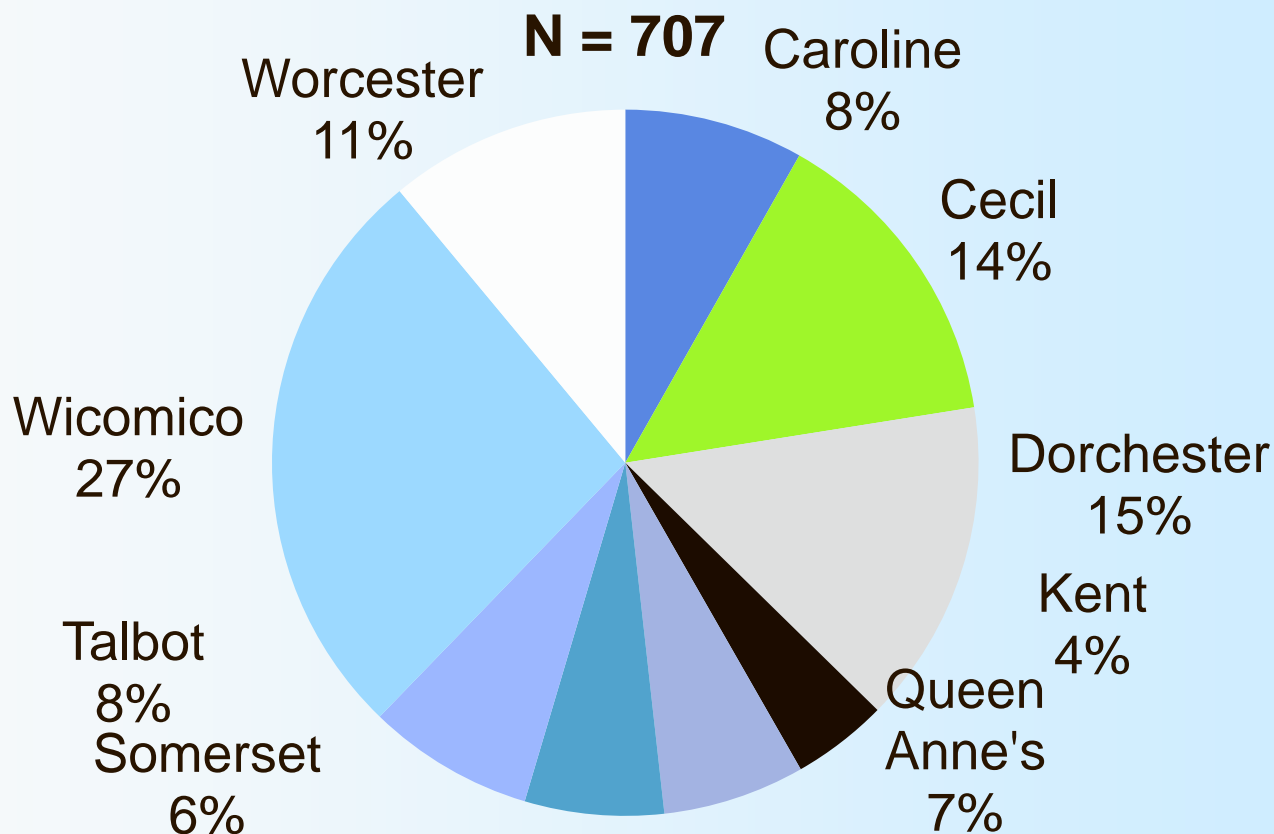
	Reported HIV Diagnoses during 2011	Living HIV Cases on 12/31/2011
Eastern Region	50	707
Caroline	6	58
Cecil	6	101
Dorchester	8	105
Kent	2	31
Queen Anne's	3	46
Somerset	3	45
Talbot	5	54
Wicomico	11	189
Worcester	6	78

Using data as reported through 12/31/2012

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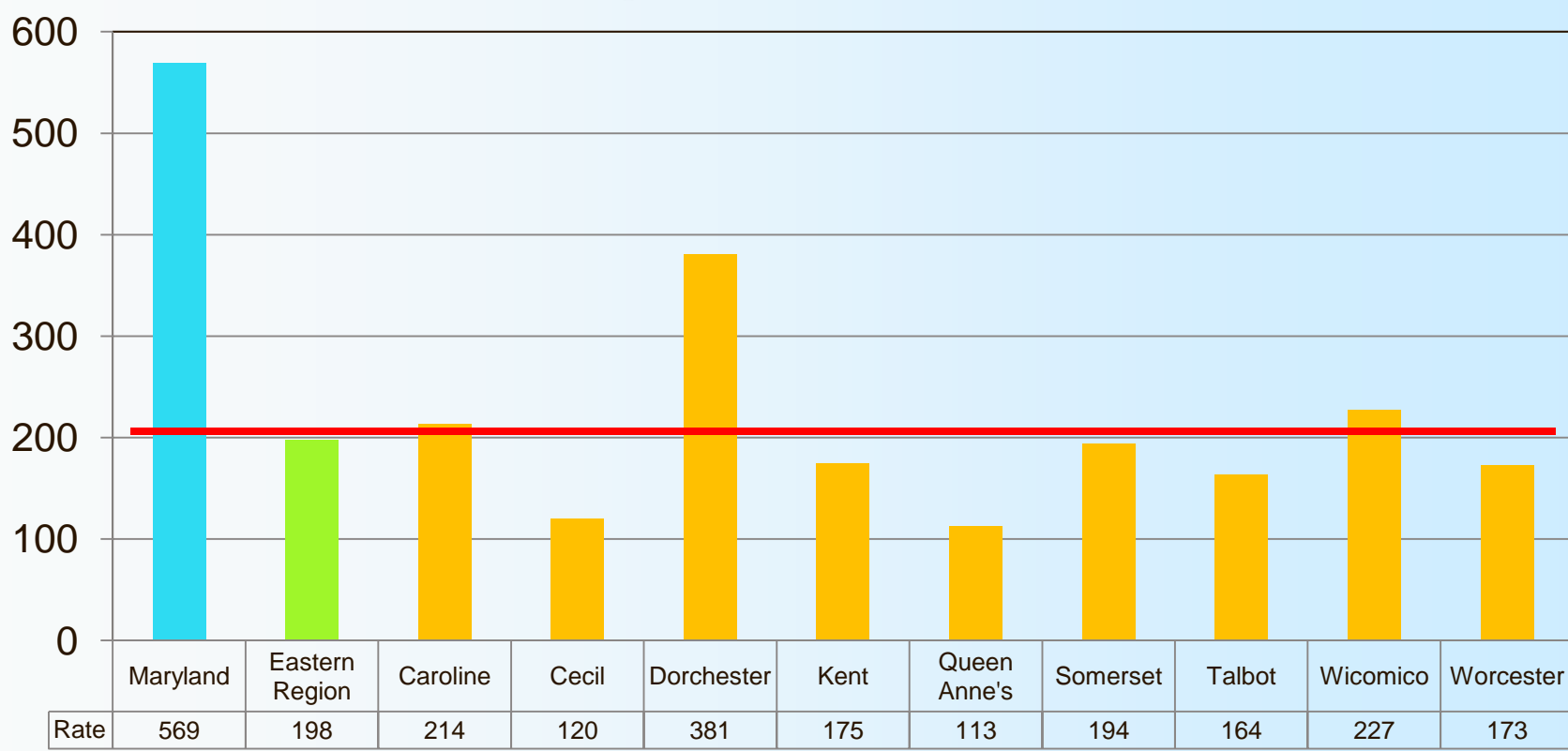
# Eastern Region Living Adult/Adolescent HIV Cases by County, 12/31/11



Using data as reported through 12/31/2012



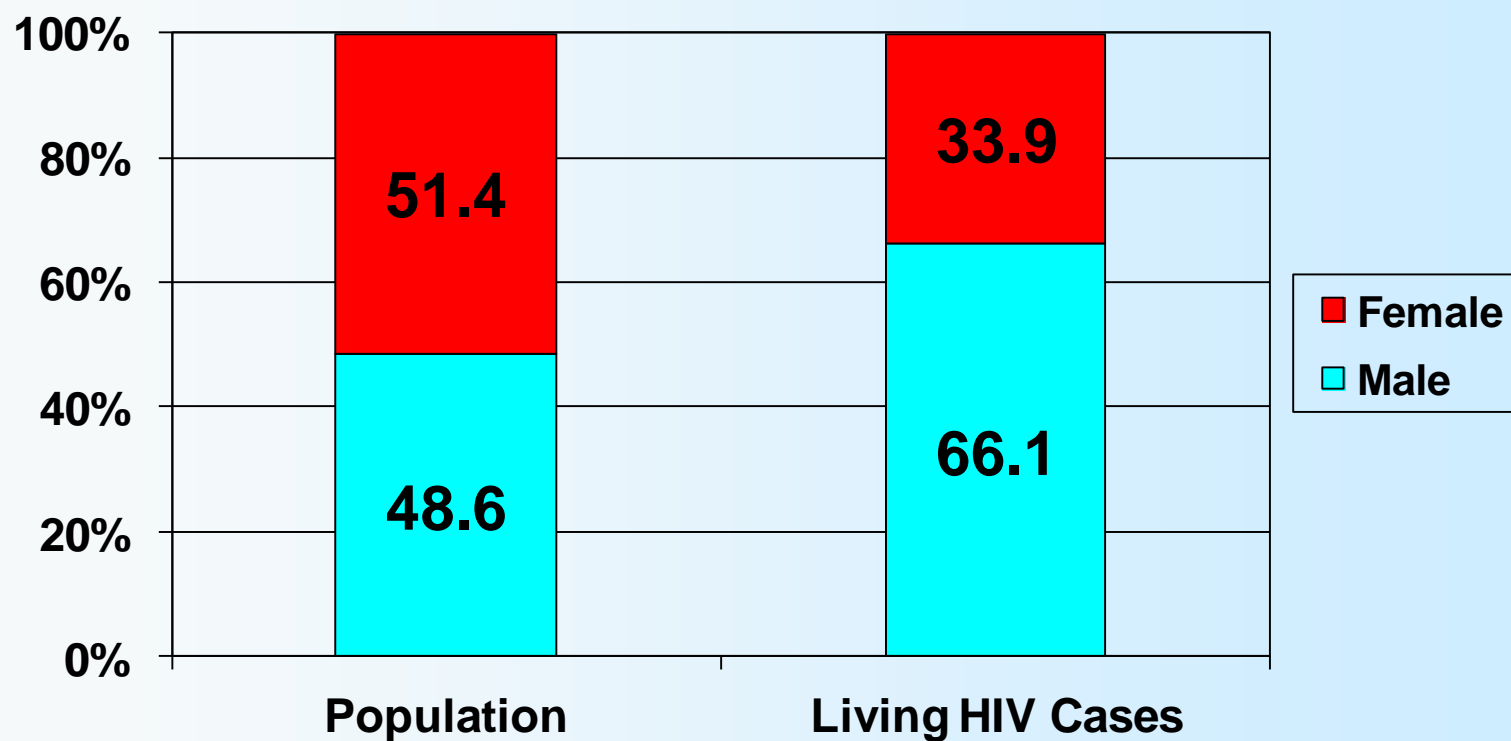
# Living Adult/Adolescent HIV Cases Rates per 100,000 Population by County, Eastern Region, 12/31/11



Population on 7/1/11. Cases on 12/31/11  
as reported through 12/31/12



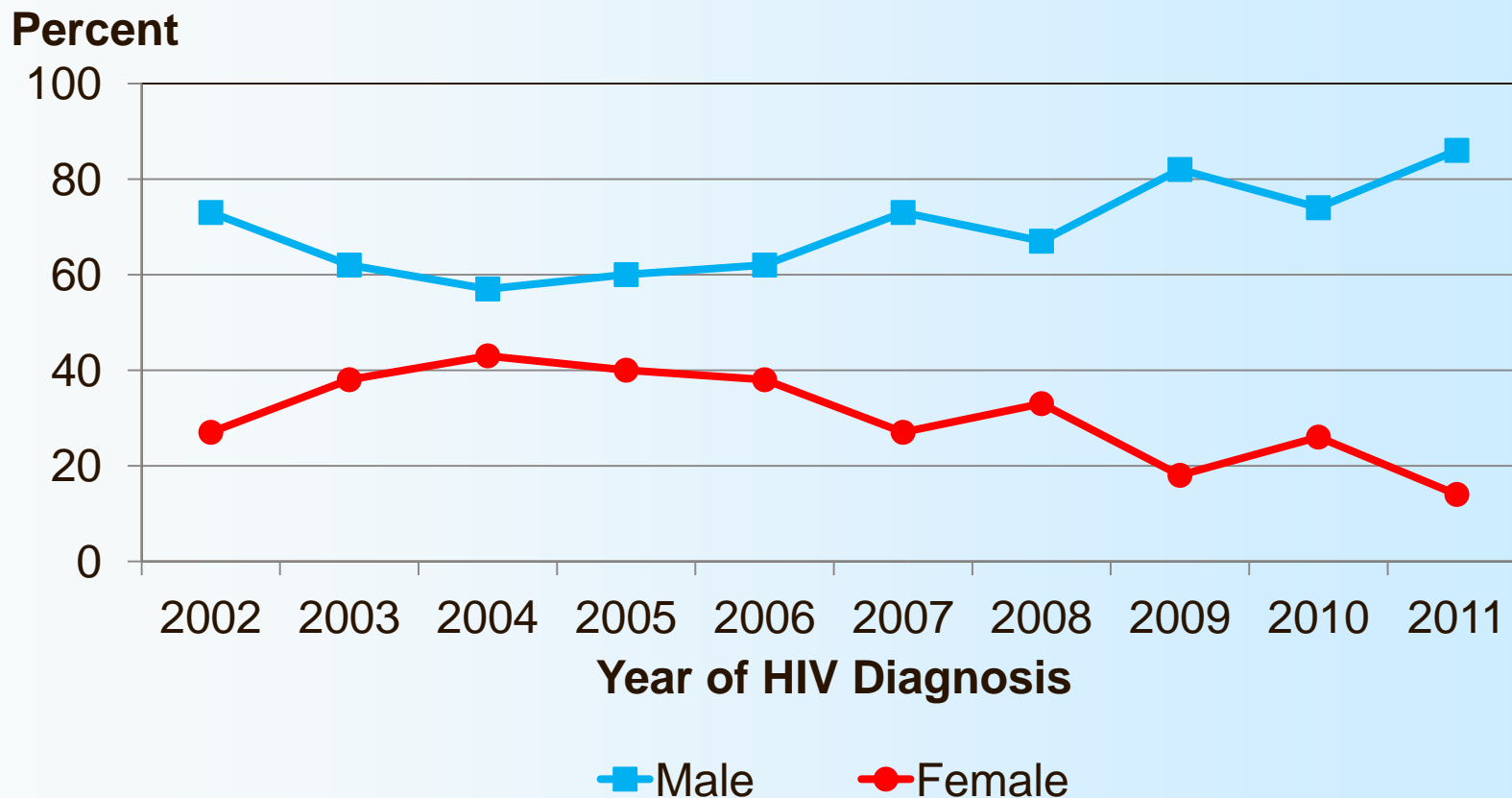
# Adult/Adolescent Population and Living HIV Cases by Sex at Birth Eastern Region



Population on 4/1/10, Cases on 12/31/10  
as reported through 12/31/11



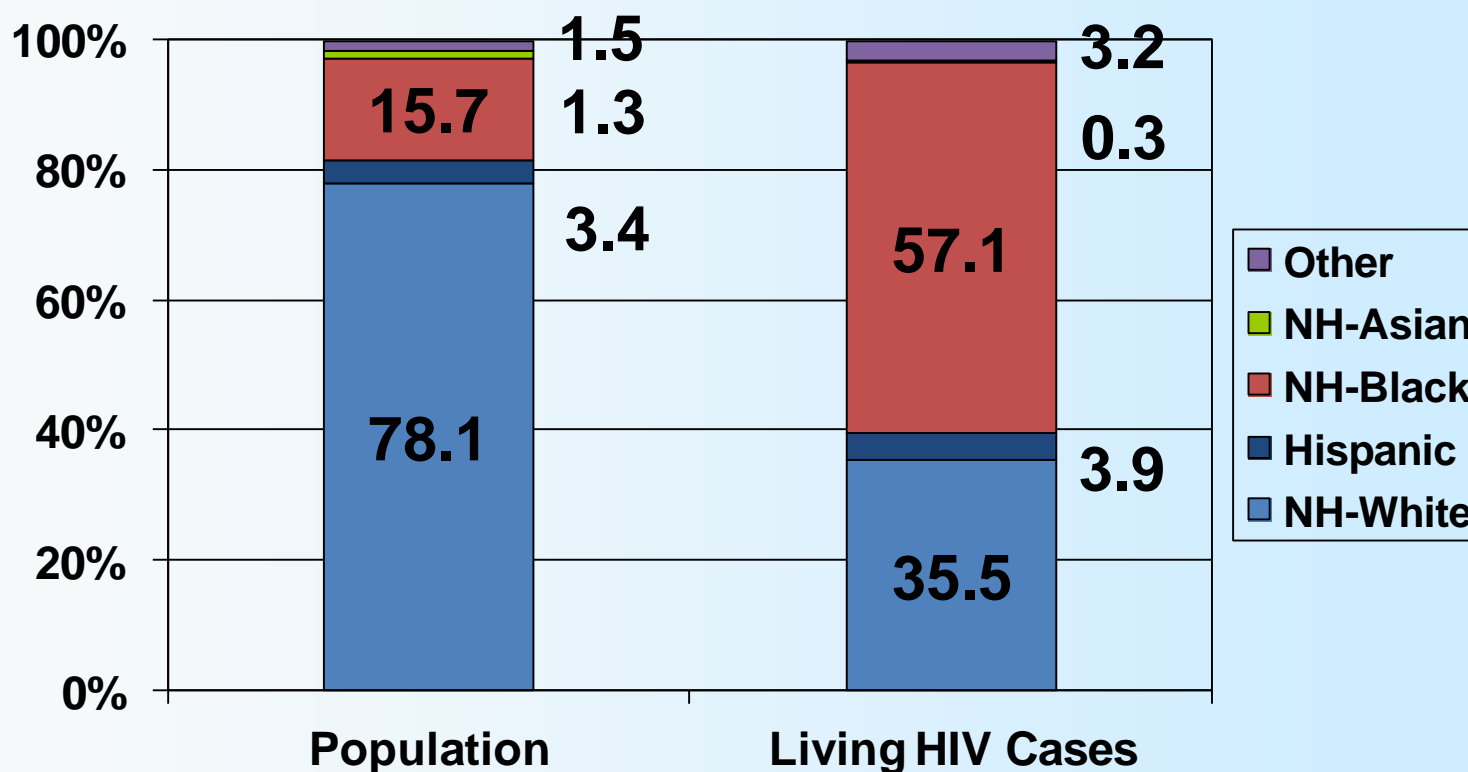
# Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Eastern Region



Using data as reported through 12/31/2012



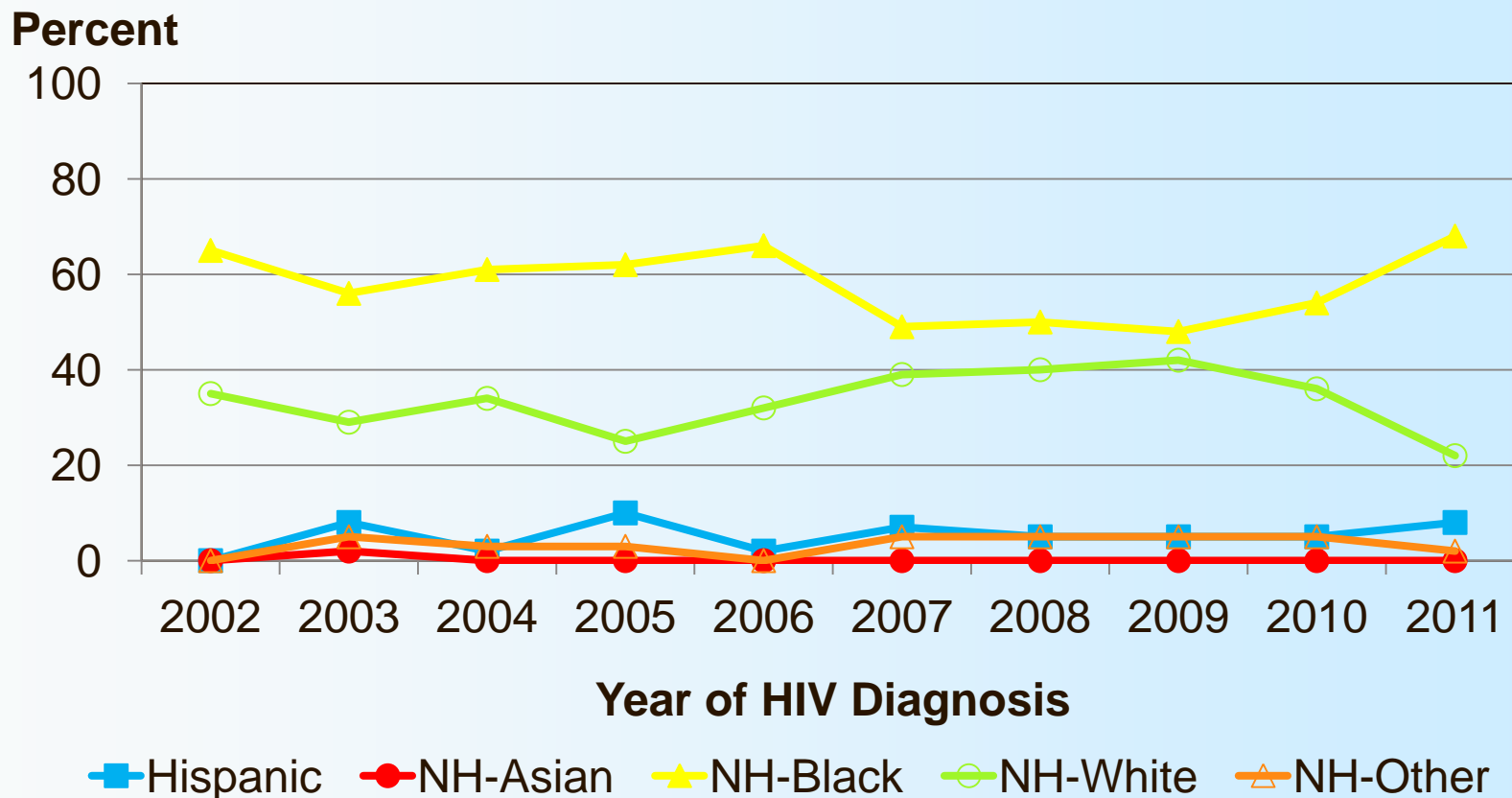
# Adult/Adolescent Population and Living HIV Cases by Race/Ethnicity, Eastern Region



Population on 4/1/10, Cases on 12/31/10  
as reported through 12/31/11



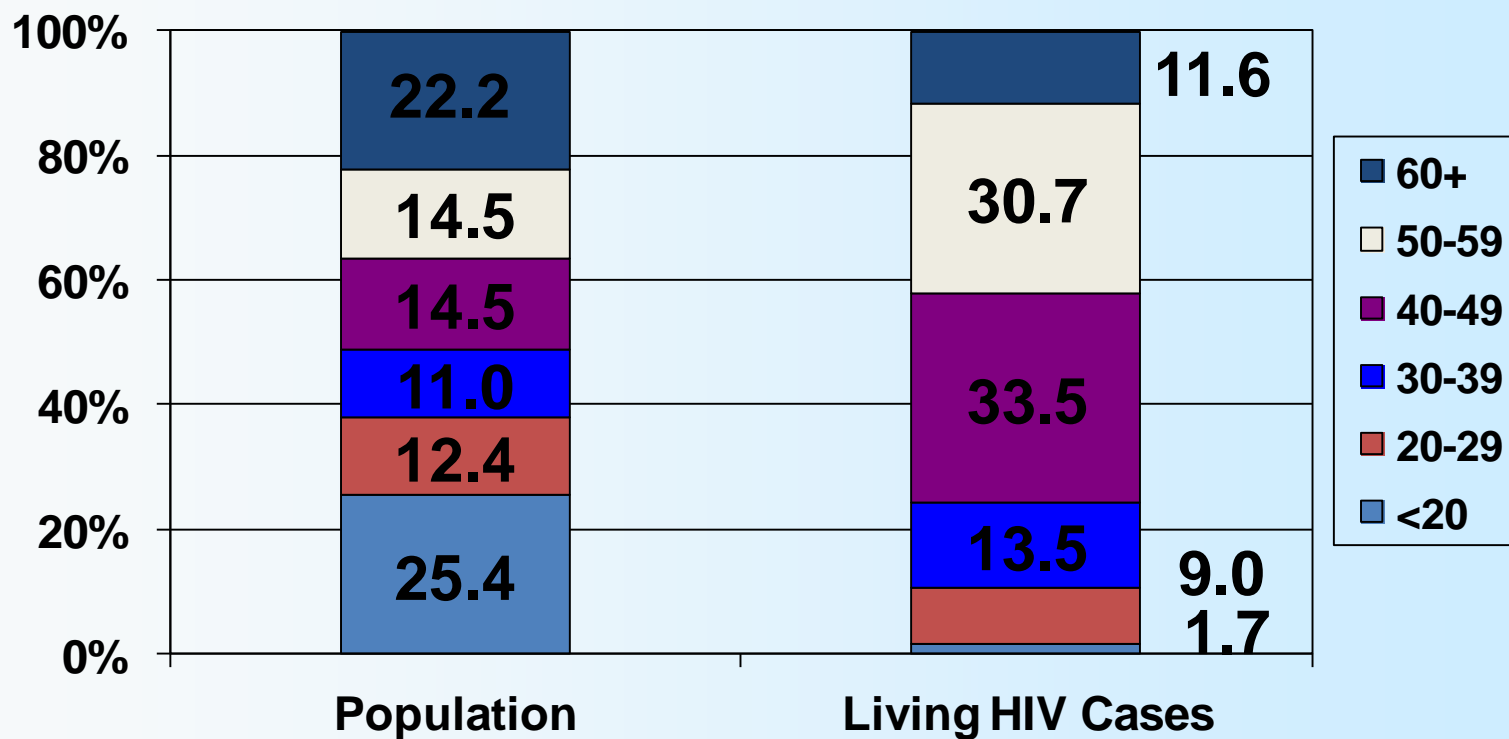
# Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Eastern Region



Using data as reported through 12/31/2012



# Population and Living HIV Cases by Age, Eastern Region



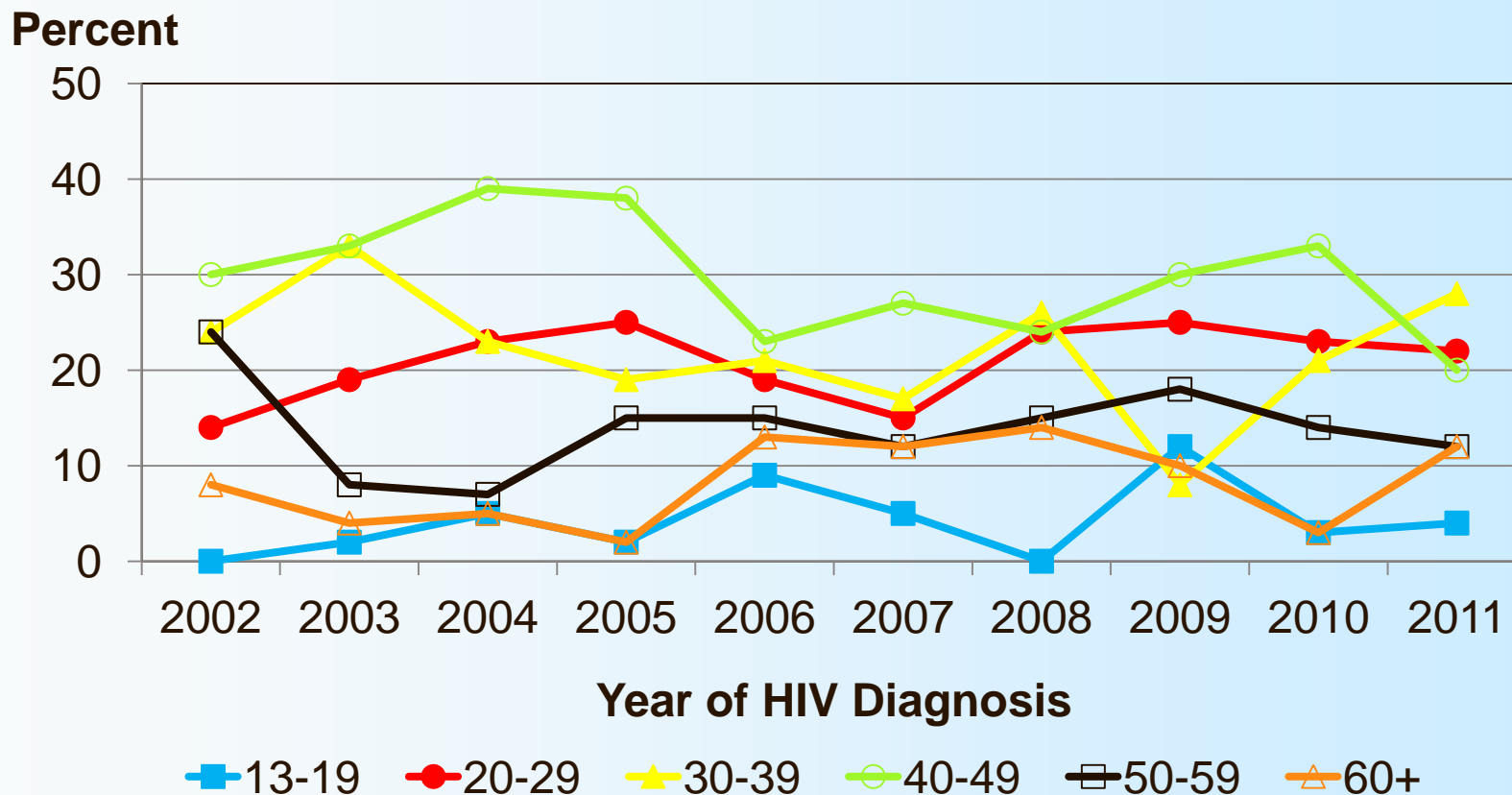
Population on 4/1/10, Cases on 12/31/10  
as reported through 12/31/11

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# Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Eastern Region



Using data as reported through 12/31/2012



# Exposure Categories

**MSM:** Men who have Sex with Men

**IDU:** Injection Drug Use

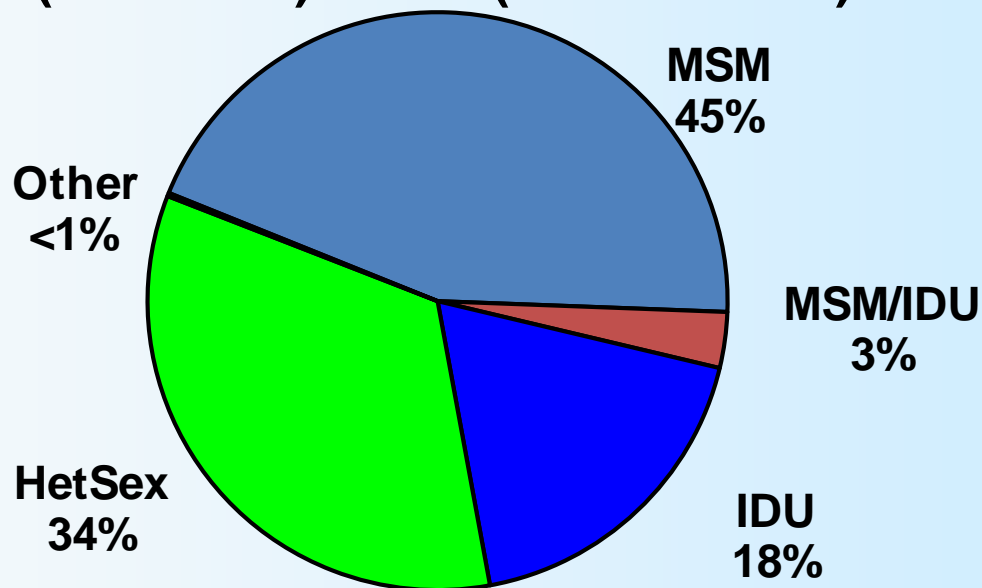
**MSM/IDU:** Men who have Sex with Men AND Inject Drugs

**HetSex:** Heterosexual Contact with a Person that has or is at Risk for HIV Infection



# Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category, Eastern Region

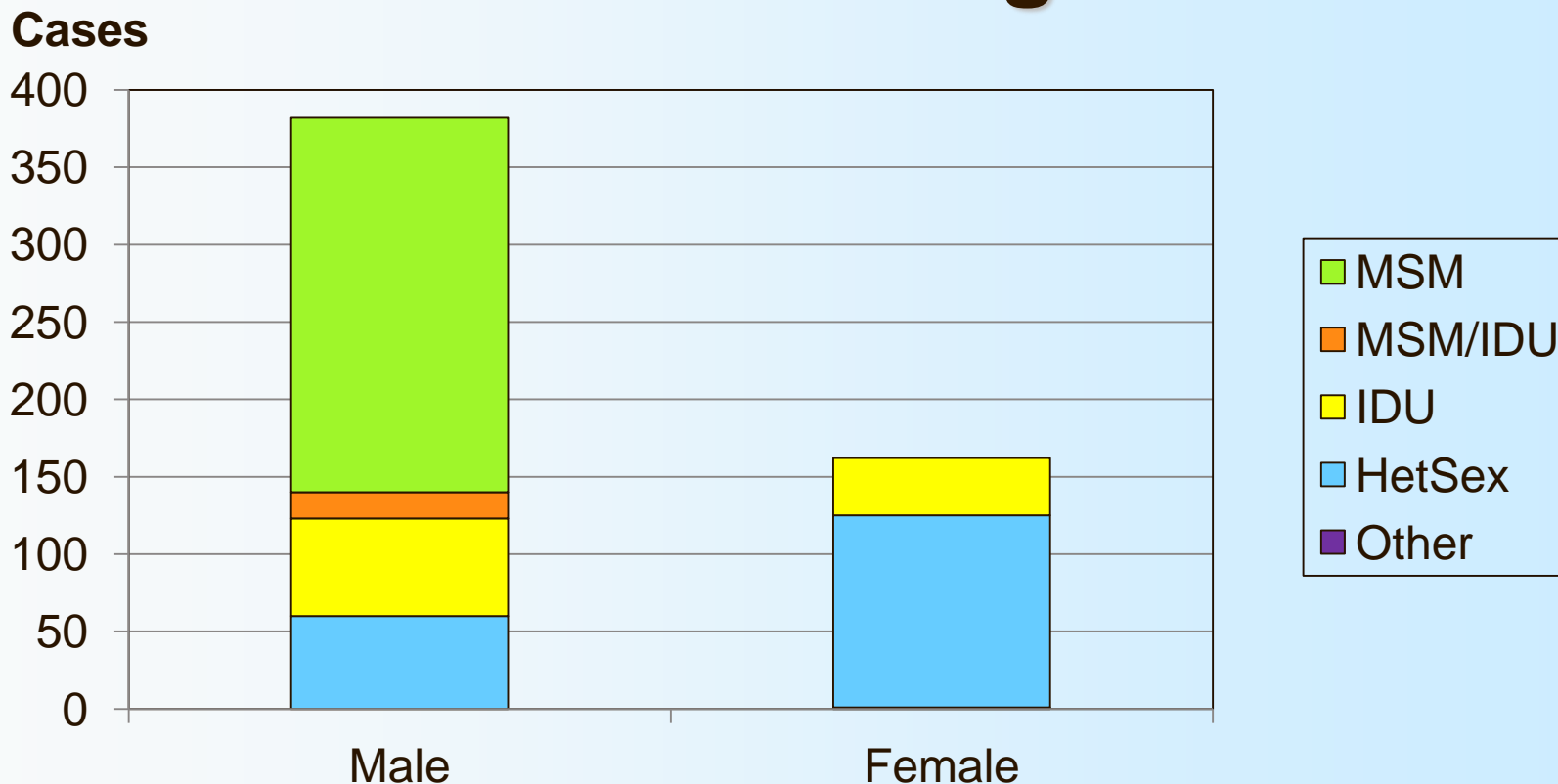
**N (with Risk) = 544 (77% of Total)**



Using data as reported through 12/31/2012



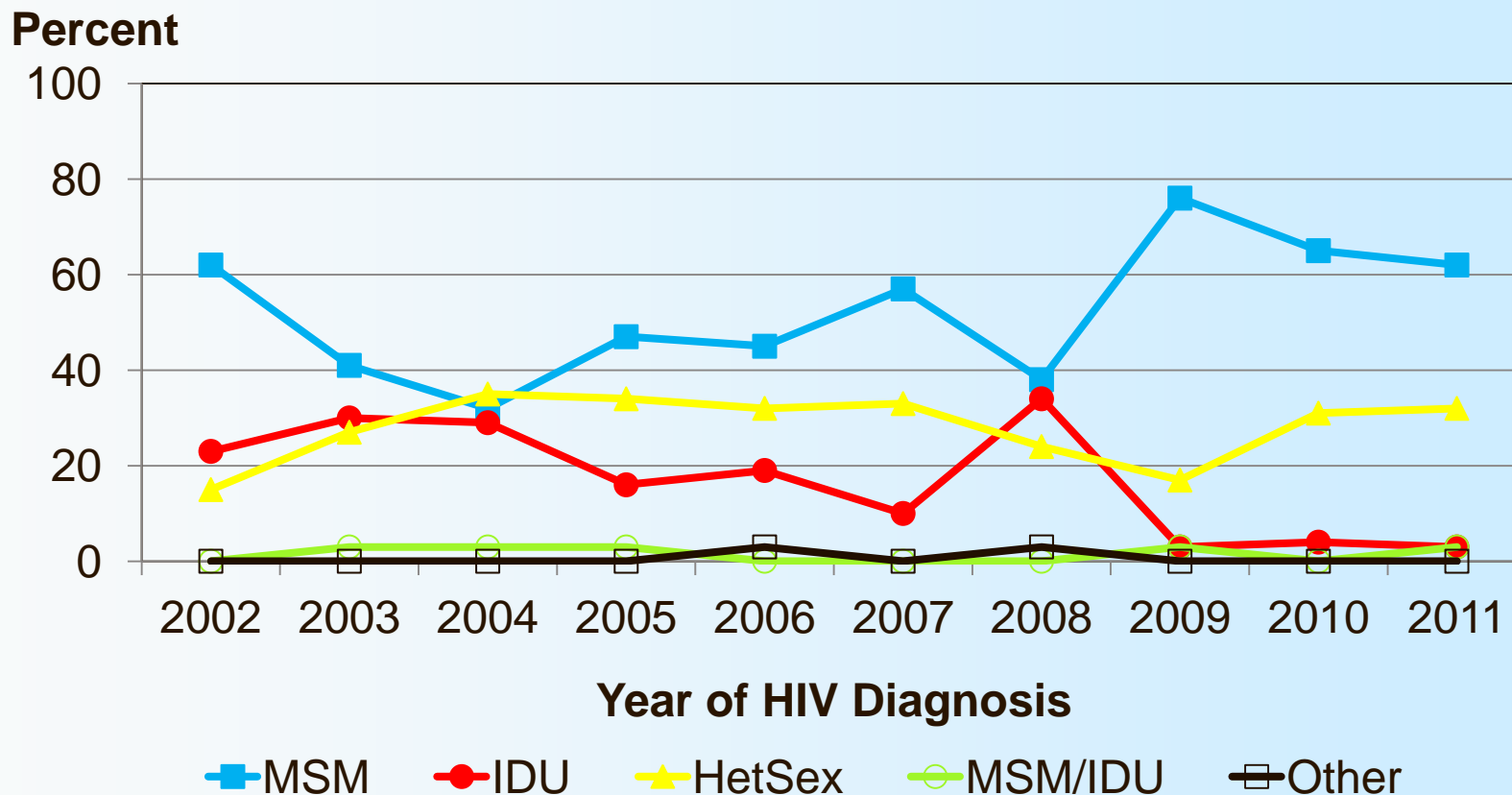
# Living Adult/Adolescent HIV Cases 12/31/12 by Exposure Category and Sex at Birth Eastern Region



Using data as reported through 12/31/2012



# Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Eastern Region



Using data as reported through 12/31/2012



# National HIV/AIDS Strategy

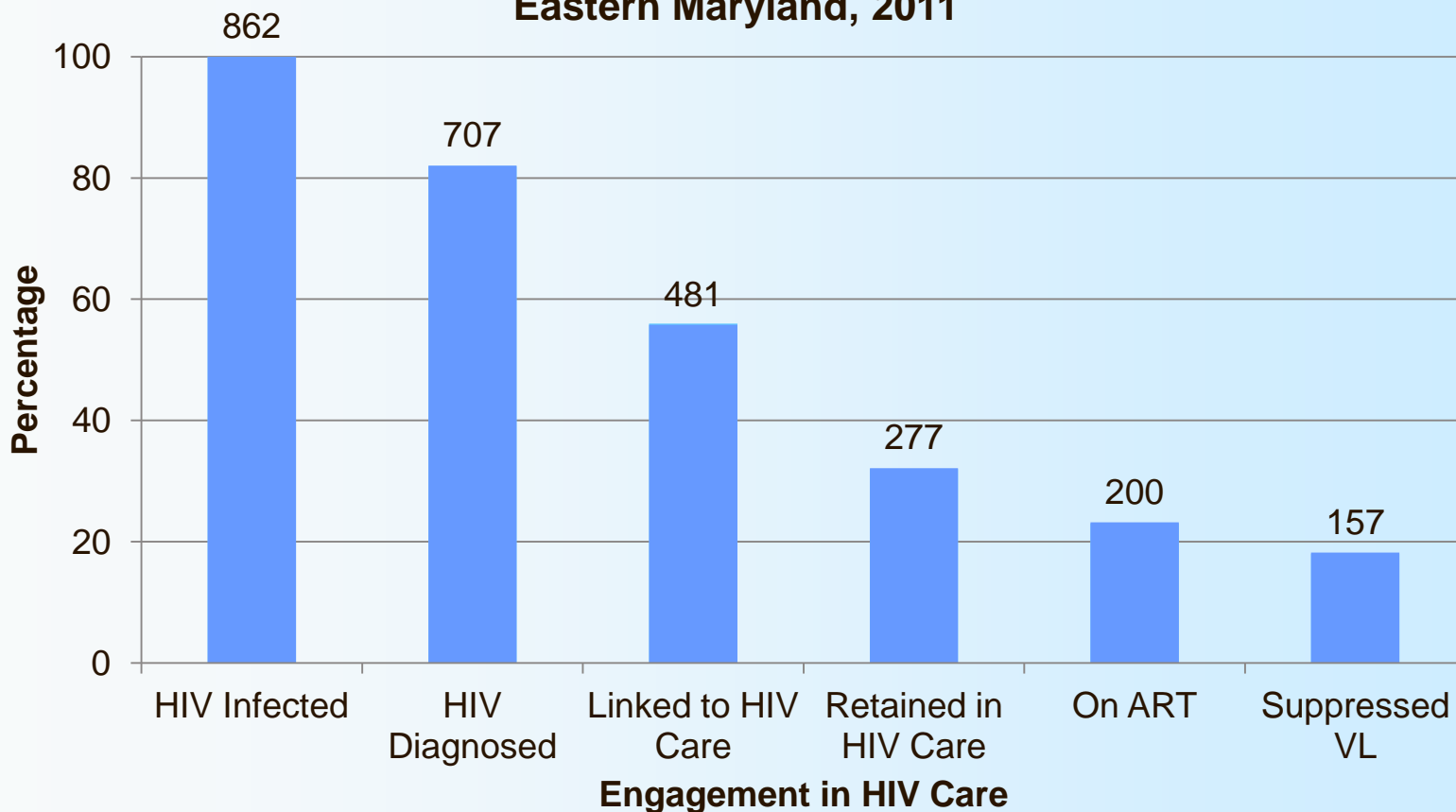
## Goals:

- Reducing HIV incidence
- Increasing access to care and optimizing health outcomes
- Reducing HIV-related health disparities
- Achieving a more coordinated national response



# Continuum of Care

**Estimated number and percentage of HIV infected adults engaged in selected stages of the continuum of care, Eastern Maryland, 2011**



Using data as reported through 12/31/2012

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# HIV Statistics

## Adult/Adolescent Cases

### Eastern Region



	Reported HIV Diagnoses during 2011	Linked to Care within 3 months of Diagnosis	Living HIV Cases on 12/31/2011	Retained in Care	Viral Suppression
Eastern	50	68.0%	707	39.2%	22.2%
Caroline	6	66.7%	58	37.9%	19.0%
Cecil	6	50.0%	101	29.7%	10.9%
Dorchester	8	37.5%	105	42.9%	27.6%
Kent	2	100.0%	31	25.8%	12.9%
Queen Anne's	3	100.0%	46	56.5%	23.9%
Somerset	3	66.7%	45	35.6%	20.0%
Talbot	5	60.0%	54	38.9%	22.2%
Wicomico	11	90.9%	189	40.2%	25.9%
Worcester	6	66.7%	78	42.3%	26.9%

Using data as reported through 12/31/2012

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# Regional Summary



# HIV/AIDS in the Eastern Region



- There were 707 living adult/adolescent HIV cases at the end of 2011
- There were 50 reported adult/adolescent HIV diagnoses during 2011
- Wicomico, Dorchester, and Cecil counties had the greatest share of living cases (27%, 15%, and 14%)
- Rates of living cases were higher than the Eastern Region average in Dorchester



# HIV/AIDS in the Eastern Region: Demographics

- Males were disproportionately affected (66% of cases vs. 49% of population), and the proportion male was increasing
- Non-Hispanic blacks were disproportionately affected (57% vs. 16%), but the proportion non-Hispanic black was increasing while the proportion non-Hispanic white was decreasing
- Persons 30-59 years old were disproportionately affected (78% vs. 40%), but the proportions were increasing among 30-39 year olds



# HIV/AIDS in the Eastern Region: Exposure Category

- Sexual transmission predominates (>79%)
  - Homosexual and heterosexual transmission among men
  - Heterosexual transmission among women
  - Male homosexual transmission proportion was increasing
- Injection drug use is an important route of transmission (>18%), and the proportion IDU was declining



# **Maryland Prevention and Health Promotion Administration**

**<http://phpa.dhmmh.maryland.gov/oideor/chse>**